

INTERNATIONAL SEARCH REPORT

Intern Application No
PCT/EP2004/011876

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65D81/32 B65D75/58 B65D83/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 2003/038040 A1 (BERTL MATHIAS ET AL) 27 February 2003 (2003-02-27) page 3, paragraph 42-61; figures page 3, paragraph 67	1, 2, 8, 17, 20, 21, 23-29, 33, 34, 36, 37
X	US 2002/122685 A1 (LEE ROBERT ET AL) 5 September 2002 (2002-09-05) the whole document	1, 2, 8, 17, 20-22, 24-37

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents *

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

3 March 2005

Date of mailing of the international search report

13/04/2005

Name and mailing address of the ISA

European Patent Office, P B 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Fouquet, M

INTERNATIONAL SEARCH REPORT

Intern Application No
PCT/EP2004/011876

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 100 56 212 A (3M ESPE AG) 23 May 2002 (2002-05-23) the whole document -----	1, 17, 19-22, 24-30, 32, 33
X	DE 199 62 436 A (ESPE DENTAL AG) 5 July 2001 (2001-07-05) the whole document -----	1, 17, 22, 24-30, 32, 33
A	US 5 535 885 A (SCHURIG GREGORY A ET AL) 16 July 1996 (1996-07-16) column 2, lines 40-58; figures -----	23, 35
A	US 6 343 929 B1 (FISCHER DAN E) 5 February 2002 (2002-02-05) figures -----	1, 17, 20, 21
A	US 2002/076671 A1 (EVERS MARKUS ET AL) 20 June 2002 (2002-06-20) page 2, paragraph 17; figure 1 -----	1-3, 5, 6
A	page 3, paragraph 34; figure 9 -----	20, 21
A	US 5 660 273 A (DISCKO JR JOHN J) 26 August 1997 (1997-08-26) cited in the application the whole document -----	
X	WO 02/22466 A (GAUNT ADRIAN JAMES, JOHNSON PAUL) 21 March 2002 (2002-03-21) page 21, paragraph 3 - page 22, paragraph 2; figures 15-18 -----	9-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern: Application No
PCT/EP2004/011876

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003038040 A1	27-02-2003	DE 10009627 A1 AU 764990 B2 AU 4417301 A WO 0164544 A1 EP 1259438 A1 JP 2003525182 T	27-09-2001 04-09-2003 12-09-2001 07-09-2001 27-11-2002 26-08-2003
US 2002122685 A1	05-09-2002	AU 5553601 A CA 2431309 A1 EP 1341708 A2 JP 2004515424 T WO 0248002 A2	24-06-2002 20-06-2002 10-09-2003 27-05-2004 20-06-2002
DE 10056212 A	23-05-2002	DE 10056212 A1 AU 2181802 A CA 2422640 A1 WO 0238468 A1 EP 1334047 A1 JP 2004513040 T US 2004065679 A1	23-05-2002 21-05-2002 13-03-2003 16-05-2002 13-08-2003 30-04-2004 08-04-2004
DE 19962436 A	05-07-2001	DE 19962436 A1 AT 275511 T AU 2367001 A DE 50007711 D1 WO 0146037 A1 EP 1240087 A1	05-07-2001 15-09-2004 03-07-2001 14-10-2004 28-06-2001 18-09-2002
US 5535885 A	16-07-1996	AU 5952694 A BR 9307680 A CA 2152059 A1 EP 0673213 A1 JP 8507231 T WO 9414356 A1	19-07-1994 31-08-1999 07-07-1994 27-09-1995 06-08-1996 07-07-1994
US 6343929 B1	05-02-2002	CA 2430957 A1 EP 1353710 A2 JP 2004522511 T WO 02058761 A2 US 2002090591 A1	01-08-2002 22-10-2003 29-07-2004 01-08-2002 11-07-2002
US 2002076671 A1	20-06-2002	NONE	
US 5660273 A	26-08-1997	AU 2873095 A DE 19581697 T0 DE 29522347 U1 DE 69519575 D1 DE 69519575 T2 DE 69533528 D1 DE 69533528 T2 DE 69533735 D1 EP 1035033 A2 EP 1197442 A2 EP 0770021 A1 JP 10503150 T WO 9603326 A1 US 6116414 A US 6328159 B1	22-02-1996 19-06-1997 11-04-2002 11-01-2001 05-04-2001 21-10-2004 03-02-2005 09-12-2004 13-09-2000 17-04-2002 02-05-1997 24-03-1998 08-02-1996 12-09-2000 11-12-2001

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inter I Application No
PCT/EP2004/011876

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5660273 A		US 5954996 A US 2004134815 A1 US 2002027088 A1	21-09-1999 15-07-2004 07-03-2002
WO 0222466 A	21-03-2002	AU 8606101 A WO 0222466 A1	26-03-2002 21-03-2002